

ABSTRACT

A desiccant compound, image projection system using the desiccant compound, and a method for utilizing the desiccant compound. The desiccant compound formed by mixing (202) a polymer binder selected from the group consisting of polysaccharides (including without
5 limitation structural polysaccharides such as cellulose, chitin, and their functionalized derivatives), polyamines, polysulfones, and polyamides with a drying agent, typically a zeolite, at a polymer to drying agent weight ratio of 1:2.1 to 1:100, or 1:4 to 1:10. After the desiccant compound is mixed (202) it is applied (204) to a surface and cured (206), often through the application of heat and vacuum. The cured desiccant compound is conditioned (208) and the
10 package is sealed (210).